

SINHA LAW

1645 Willow Street, Suite 150
San Jose, CA 95125
408.791.0432 (voice)
www.sinha-law.com

December 7, 2017

Via Hand Delivery

DEC 11 2017

Candy Holland
Davison Iron Works, Inc.
8845 Elder Creek Road
Sacramento, CA 95828

Andrew Peszynski
The Andrew Group, LLC
8845 Elder Creek Road
Sacramento, CA 95828

Irving B Joseph, Esq.
Agent for Service - Davison Iron Works
1555 River Park Drive Ste 108
Sacramento CA 95815

**Re: 60-Day Notice of Violations and Intent to File Suit Under the Federal Water
Pollution Control Act ("Clean Water Act")**

To Officers, Directors, Operators, Property Owners and/or Facility Managers of Davison Iron
Works, Inc.:

The California Environmental Protection Association ("CEPA") provides this 60-day Notice of violations of the Federal Clean Water Act ("CWA" or "Act") 33 U.S.C. § 1251 *et seq.*, that CEPA believes are occurring at the Davison Iron Works facility located at 8845 Elder Creek Road in Sacramento, California ("the Facility" or "the site"). Pursuant to CWA §505(b) (33 U.S.C. §1365(a)), this 60-Day Notice of violations and intent to file suit ("Notice") is being sent to you as the responsible property owners, officers, operators or managers of the Facility, as well as to the U.S. Environmental Protection Agency ("EPA"), the U.S. Attorney General, the California State Water Resources Control Board ("SWRCB"), and the California Central Valley Regional Water Quality Control Board ("RWQCB").

CEPA is an environmental citizen's group established under the laws of the State of California to protect, enhance, and assist in the restoration of all rivers, creeks, streams, wetlands, vernal pools, and tributaries of California.

This Notice addresses the violations of the CWA and the terms of California's Statewide General Permit for Dischargers of Storm Water for Industrial Activities ("General Permit") arising from the unlawful discharge of pollutants from the Facility indirectly into Morrison Creek, a tributary of the Sacramento River. The Sacramento River is included on the 303(d) list as impaired for mercury and unknown toxicities.

Davison Iron Works, Inc. (the "Discharger"), and The Andrew Group, LLC (the "Property Owner") are hereby placed on formal notice by CEPA that after the expiration of sixty (60) days from the date this Notice was delivered, CEPA will be entitled to bring suit in the United States District Court against the Discharger and the Property Owner for continuing violations of an effluent standard or limitation, National Pollutant Discharge Elimination System ("NPDES") permit condition or requirement, or Federal or State Order issued under the CWA (in particular, but not limited to, § 301(a), § 402(p), and § 505(a)(1)), as well as the failure to comply with requirements set forth in the Code of Federal Regulations.

I. THE SPECIFIC STANDARD, LIMITATION, OR ORDER VIOLATED

The Discharger filed a Notice of Intent ("NOI") on August 4, 2015, with respect to the Facility, agreeing to comply with the terms and conditions of the General Permit. The SWRCB approved the NOI, and the Discharger was assigned Waste Discharger Identification ("WDID") number 5S341025885.

However, in its operations of the Facility, the Discharger has failed and is failing to comply with specific terms and conditions of the General Permit as described in Section II below. These violations are continuing in nature. Violations of the General Permit are violations of the CWA, specifically CWA § 301(a) and CWA § 402(p). Therefore, the Discharger has committed ongoing violations of the substantive and procedural requirements of CWA § 402(p) and of NPDES Permit No. CAS000001, State Water Resources Control Board Order 2014-0057-DWQ (the "General Permit") relating to industrial activities at the Facility.

II. VIOLATIONS OF THE CLEAN WATER ACT AND GENERAL PERMIT

A. Facility Operations

Operations at the Davison Iron Works facility consist of steel product fabrication (primarily structural steel elements for building construction). Facility Operations are covered under Standard Industrial Classification Code (SIC) 3441 – Fabricated Structural Metal.

Because the real property on which the Facility is located is subject to rain events, the range of pollutants discharged from the Facility and identified in this Notice discharge indirectly to the Sacramento River, via Morrison Creek.

B. Davison Iron Works' Specific Violations

1. *Failure to Collect and Analyze Storm Water Samples Pursuant to the General Permit*

a. Failure to Collect Samples from Four QSEs

The Discharger has failed to provide the RWQCB with the minimum number of annual documented results of facility run-off sampling as required under Sections XI.B.2 and XI.B.11.a of Order No. 2014-0057-DWQ, in violation of the General Permit and the CWA.

Section XI.B.2 of the General Permit requires that all Dischargers collect and analyze storm water samples from two Qualifying Storm Events ("QSEs") within the first half of each reporting year (July 1 to December 31), and two (2) QSEs within the second half of each reporting year (January 1 to June 30).

Section XI.C.6.b provides that if samples are not collected pursuant to the General Permit, an explanation must be included in the Annual Report.

As of the date of this Notice, the Discharger has failed to upload into the SMARTS database system:

- a. Two storm water sample analysis for the time period January 1, 2017, through June 30, 2017. Qualified Storm Events occurred in the vicinity of the facility on at least the following relevant dates during regular business hours: 01/18/17, 02/02/17, 02/16/17, 03/20/17, 04/06/17, and 04/13/17.

Furthermore, the Facility was ordered by the Central Valley Regional Water Board Inspector Rich Muhl during an inspection which occurred on March 8, 2017, to "conduct additional sampling as required for targeted pollutants to determine if the facility is receiving run-on from the adjacent property." This mandate was memorialized in a letter to the Discharger dated March 22, 2017.

There were at least three QSEs which occurred after the Water Board inspection; however, the Discharger had failed to date to upload any analytical reports for samples collected during those QSEs.

The Discharger has not applied for or received a No Exposure Certification (NEC) for the facility, pursuant to Section XVII, which provides as follows:

XVII. CONDITIONAL EXCLUSION - NO EXPOSURE CERTIFICATION (NEC)

A. Discharges composed entirely of storm water that has not been exposed to industrial activity are not industrial storm water discharges. Dischargers are conditionally excluded from complying with the SWPPP and monitoring requirements of this General Permit if all of the following conditions are met:

1. There is no exposure of Industrial Materials and Activities to rain, snow, snowmelt, and/or runoff;
2. All unauthorized NSWDS have been eliminated and all authorized NSWDS meet the conditions of Section IV;
3. The Discharger has certified and submitted via SMARTS PRDs for NEC coverage pursuant to the instructions in Section II.B.2; and,
4. The Discharger has satisfied all other requirements of this Section.

b. Failure to Provide Storm Water Run-Off Samples during Qualified Storm Events

Pursuant to Section XI.B.1 of the General Permit, a Qualified Storm Event (QSE) is a precipitation event that both produces a discharge for at least one drainage area and is preceded by 48 hours with no discharge from any drainage area.

The Discharger's samples collected during fiscal years 2015-16 and 2016-17 listed below are invalid because they were not collected during Qualified Storm Events as defined by the General Permit:

Sample Date	QSE Info
11/09/15	Not a valid QSE – second consecutive day of rainfall
12/21/15	Not a valid QSE – fourth consecutive day of rainfall
01/18/16	Not a valid QSE – sixth consecutive day of rainfall
02/18/16	Not a valid QSE – second consecutive day of rainfall
10/28/16	Not a valid QSE – second consecutive day of rainfall
12/08/16	Not a valid QSE – second consecutive day of rainfall

c. Failure to Collect Samples from Each Drainage Area at all Discharge Locations

Section XI.B.4 of the General Permit requires Dischargers to collect samples from all discharge locations, regardless of whether the discharges are substantially similar. Dischargers may analyze a combined sample consisting of equal volumes, collected from as many as four

substantially similar discharge locations, provided that the Discharger submits a Representative Sampling Reduction Justification form with its sample analysis, and the samples are combined in the lab in accordance with Section XI.C.5 of the General Permit. Furthermore, Representative sampling is only allowed for sheet flow discharges or discharges from drainage areas with multiple discharge locations.

The Facility's original SWPPP dated June 25, 2015, indicated the Facility had four sampling locations: "(1) Runoff from the office parking lot exiting the Facility as sheet flow in the southwestern corner); (2) Runoff from the employee parking lot exiting the Facility through two DIs; (3) Runoff from the northern portion, exiting the facility in the northeast corner; and (4) Runoff that entered 12 of the 14 stormwater DIs which converge and leave the Facility at a location 300 feet north of the Facility."

The SWPPP was amended on December 10, 2016, and the sampling locations were modified as follows: "Samples to be collected at three locations at the Facility including: (1) Runoff from the North Drainage Area (SP1), sampled at the northeast corner of the Facility; (2) Runoff from the West Drainage Area (SP2), sampled from the manhole located at the northern fence line for the Facility; and (3) Runoff from the East Drainage Area (SP3), sampled from the manhole located north of the Structural Shop."

Many of the outfall designations listed in the Discharger's analytical reports from California Laboratory Services do not for the most part correlate with the SWPPP descriptions of the sample locations. However, it is clear that sampling locations are missing from most of the analytical reports, as follows:

Sample Collection Date	Outfalls Sampled
11/09/15	NE Corner, Underground, office sheet flow
12/21/15	NE Corner, N. Field Exit
01/18/16	North Draining, Office Driveway, Employee Parking Lot
02/18/16	NE Corner, N. Field Exit
03/10/16	NE Corner, S. Ditch, Office sheet flow, Employee Parking
04/22/16	Employee Parking, Field Outlet Upstream
10/28/16	NE Corner, N. Shop
12/08/16	NE Corner, S. Outflow Yard, So. Outflow Shop

d. Failure to Upload Analytical Reports within 30 days

Section XI.B.11.a of the General Permit provides that "Dischargers shall submit all sampling and analytical results for all individual or Qualified Combined Samples via SMARTS within 30 days of obtaining all results for each sampling event."

Davison Iron Works failed to upload into SMARTS within 30 days its analytical reports from California Laboratory Services in Rancho Cordova for its storm water samples collected on the following dates:

Sample Date	Approximate Date Report initially prepared	Date uploaded into SMARTS
12/21/15	12/18/15	10/16/17
01/18/16	01/25/16	03/21/17
02/18/16	02/25/16	10/16/17
04/22/16	04/29/16	10/16/17
10/28/16	11/06/16	07/10/17 and again on 10/04/17
12/08/16	12/15/16	07/10/17 and again on 10/04/17

Further, the Discharger uploaded into SMARTS many of its storm water analytical reports for the 2015-16 and 2016-17 reporting periods multiple times in 2017, but failed to upload any samples actually collected and analyzed in 2017.

2. *Falsification of Annual Reports Submitted to the RWQCB*

Section XXI.L of the General Permit provides as follows:

L. Certification

Any person signing, certifying, and submitting documents under Section XXI.K above shall make the following certification:

"I certify under penalty of law that this document and all Attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Further, Section XXI.N of the General Permit provides as follows:

N. Penalties for Falsification of Reports

Clean Water Act section 309(c)(4) provides that any person that knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this General Permit, including reports of compliance or noncompliance shall upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than two years or by both.

On July 29, 2016, the Discharger submitted its Annual Report for the Fiscal Year 2015-2016. This Report was signed under penalty of law by Candy Holland. Ms. Holland is not the Legally Responsible Person of record for the facility; however, she is the Senior Vice President for the Facility.

Ms. Holland indicated “yes” to question number 3 in the Discharger’s 2015-16 Annual Report (“Did you sample the required number of Qualifying Storm Events during the reporting year for all discharge locations, in accordance with Section XI.B?”), when in fact the Facility only sampled twice during the reporting period during a valid Qualified Storm Event. Further, the 2015-16 Annual Report indicates the facility had 4 sampling locations at that time. As discussed herein, all 4 of the discharge locations were not consistently sampled during the reporting period.

The Discharger submitted its Annual Report for Fiscal Year 2016-17 on July 10, 2017. This Report was also signed by Ms. Holland. The Report included Attachment 1 as an explanation for why the Discharger failed to sample the required number of Qualifying Storm Events during the reporting year for all discharge locations, in accordance with Section XI.B. Ms. Holland certified in that report, under penalty of perjury, that between January 1, 2017, and June 30, 2017, no samples were collected because “**discharges [were] outside of [the] IGP sampling window.**”

The Facility SWPPP fails to list the Facility’s normal operating hours. However, the attached records from the National Oceanic and Atmospheric Administration (NOAA) website/database confirm that during the second half of fiscal year 2016-17, Qualified Storm Events (QSEs) occurred near the Facility during or within 12 hours of the start of regular business hours on at least the following 6 dates: 01/18/17, 02/02/17, 02/16/17, 03/20/17, 04/06/17, and 04/13/17.

Ms. Holland also stated that samples had not been collected because of “staffing changes.” However, the staff responsible for collecting storm water samples, according to the facility SWPPP, is Jennifer Hughes. Ms. Hughes was consistently employed with the Discharger throughout the 2016-17 reporting year, as evidenced by Water Board records.

Based on the foregoing, it is clear that Ms. Holland made a false statement in the Facility’s 2015-16 Annual Report when she indicated that the facility had collected samples according to Section XI.B of the General Permit.

Ms. Holland also made a false statement in the Facility's 2016-17 Annual Report when she indicated that the facility had not sampled the required number of Qualifying Storm Events during the reporting year due to staffing changes and a lack of QSEs during the period.

3. *Deficient BMP Implementation*

Sections I.C, V.A and X.C.1.b of the General Permit require Dischargers to identify and implement minimum and advanced Best Management Practices ("BMPs") that comply with the Best Available Technology ("BAT") and Best Conventional Pollutant Control Technology ("BCT") requirements of the General Permit to reduce or prevent discharges of pollutants in their storm water discharge in a manner that reflects best industry practice considering technological availability and economic practicability and achievability.

On July 1, 2016, the Facility entered Level 1 status for NAL exceedances for Nitrate + Nitrite, Aluminum, Iron and Total Suspended Solids. The Level 1 ERA Report prepared by Wallace Kuhl & Associates on December 5, 2016, noted the following BMP deficiencies:

- (a) Improper BMPs and controls in fire main non-storm water discharge;
- (b) Housekeeping BMPs deficient – facility needed to add dry sweeping and dust suppression; and
- (c) QISP training needed to be provided to personnel conducting and documenting inspections and sampling.

4. *Deficient and Invalid SWPPP*

Operating Hours

Davison Iron Work's Storm Water Pollution Prevention Plan ("SWPPP") for the Facility fails to comply with the requirements of the General Permit as specified in Section X.D.2.d of Order No. 2014-0057-DWQ, which provides as follows:

"The Discharger shall document in their SWPPP the facility's scheduled operating hours as defined in Attachment C. Scheduled facility operating hours that would be considered irregular (temporary, intermittent, seasonal, weather dependent, etc.) shall also be documented in the SWPPP."

The Discharger's current SWPPP dated December 2016 fails to include any discussion of scheduled facility operating hours, and is thus deficient, in violation of Section X of the General Permit.

Pollution Prevention Team

The SWPPP also fails to include detailed information about its Pollution Prevention Team, as specified in Section X.D.1. of the General Permit, as follows:

Pollution Prevention Team

Each facility must have a Pollution Prevention Team established and responsible for assisting with the implementation of the requirements in this General Permit. The Discharger shall include in the SWPPP detailed information about its Pollution Prevention Team including:

- a. The positions within the facility organization (collectively, team members) who assist in implementing the SWPPP and conducting all monitoring requirements in this General Permit;
- b. The responsibilities, duties, and activities of each of the team members; and,
- c. The procedures to identify alternate team members to implement the SWPPP and conduct required monitoring when the regularly assigned team members are temporarily unavailable (due to vacation, illness, out of town business, or other absences).

Legally Responsible Person

The Discharger's current SWPPP is also invalid because it was not certified and submitted by the Facility's currently designated Legally Responsible Person, Andrew Peszynski. Pursuant to Section XXI.K of the General Permit, all Permit Registration Documents (PRDs), which includes SWPPPs, must be certified and submitted by a duly authorized Legally Responsible Person.

5. Failure to Comply with Facility SWPPP

Sampling Frequency

The Sampling Analysis section on page 14 of the Facility SWPPP indicates that: "Sample collection should be conducted on a minimum of four qualifying storm events (QSEs) per permitting year. Samples shall be collected during two QSEs within the first half of each reporting year (July 1 to December 31) and two QSEs within the second half of each reporting year (January 1 to June 30)."

As detailed in Section 1(a) above, the Facility missed two QSE samples for the time period January 1-June 30, 2017.

Qualified Storm Events

The Facility SWPPP also indicates in that same section that samples will be collected during Qualified Storm Events, and states: “QSEs are defined as an event that produces discharge for at least one drainage area and is preceded by 48 hours with no discharge from any drainage area.”

As detailed in Section 1(b), above, none of the Facility’s storm water samples collected on 11/09/15, 12/21/15, 01/18/16, 02/17/16, 10/28/16, or 12/8/16 were collected during Qualified Storm Events as specified in the Facility’s SWPPP, as well as Section XI.B.1 of the General Permit.

Discharge/Sampling Locations

As indicated in Section 1(c) above, none of the Discharger’s storm water samples during the reporting period 2015-16 or 2016-17 were collected at all mandatory outfalls listed in the Facility SWPPP.

6. Failure to Update Legally Responsible Person

The Facility applied for NPDES coverage under the General Permit on August 4, 2015, and was issued WDID number 5S34I025885. The NOI Application indicated that the business owner/operator and Legally Responsible Person was “Andrew Peszynski.” However, the most recent Facility SWPPP and the Level 1 ERA Report indicates that the Legally Responsible Party is “Candy Holland”.

Section XXI.K of the General Permit provides:

1. All Permit Registration Documents (PRDs) for NOI and NEC coverage shall be certified and submitted via SMARTS by the Discharger’s Legally Responsible Person (LRP). All other documents may be certified and submitted via SMARTS by the LRP or by their designated Duly Authorized Representative.
2. When a new LRP or Duly Authorized Representative is designated, the Discharger shall ensure that the appropriate revisions are made via SMARTS. In unexpected or emergency situations, it may be necessary for the Discharger to directly contact the State Water Board’s Storm Water Section to register for SMARTS account access in order to designate a new LRP.

3. Documents certified and submitted via SMARTS by an unauthorized or ineligible LRP or Duly Authorized Representative are invalid.

To date, Davison Iron Works has failed to designate Candy Holland as either its Legally Responsible Party or Duly Authorized Representative. Thus, all Permit Registration Documents, including updated SWPPPs, and all Annual Reports uploaded by unauthorized or ineligible LRPs or Duly Authorized Representatives for Davison Iron Works are invalid.

7. *Discharges in Violation of the General Permit*

Section 402(p) of the Clean Water Act prohibits the discharge of storm water associated with industrial activities, except as permitted under an NPDES permit such as the General Permit. 33 U.S.C. § 1342. Sections I.C.27 and III.A and B of the General Permit prohibit the discharge of materials other than storm water (defined as non-storm water discharges) that discharge either directly or indirectly to waters of the United States. Section XXI.A of the General Permit requires Dischargers to comply with effluent standards or prohibitions established under section CWA 307(a) for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions.

Sections III and VI of the General Permit prohibit storm water discharges and authorized non-storm water discharges to surface or groundwater that adversely impact human health or the environment; cause or threaten to cause pollution, contamination, or nuisance; cause or contribute to an exceedance of any applicable water quality standards in any affected receiving water; violate any discharge prohibitions contained in applicable Regional Water Board Water Quality Control Plans (Basin Plans) or statewide water quality control plans and policies; or contain hazardous substances equal to or in excess of a reportable quantity listed in 40 Code of Federal Regulations sections 110.6, 117.21, or 302.6.

The Discharger's sampling and analysis results reported to the RWQCB confirm discharges of specific pollutants and materials other than storm water, in violation of the Permit provisions listed above. Self-monitoring reports under the Permit are deemed "conclusive evidence of an exceedance of a permit limitation." *Sierra Club v. Union Oil*, 813 F.2d 1480, 1492 (9th Cir. 1988).

Table 2 of the General Permit (TABLE 2: *Parameter NAL Values, Test Methods, and Reporting Units*) outlines specific Annual and Instantaneous Numeric Action Levels ("NALs) for common parameters. A copy of Table 2 is included with this Notice.

The following discharges of pollutants from the Facility have violated Discharge Prohibitions and Receiving Water Limitations of the General Permit and are evidence of ongoing violations of Effluent Limitations:

Sample Collection Date	Discharge Point	Parameter	Concentration in Discharge (mg/L)	NAL Annual/Instantaneous Value (mg/L)
11/09/15	NE Corner	Nitrate+Nitrite	9.7	0.68
11/09/15	Underground	Nitrate+Nitrite	2.1	0.68
11/09/15	NE Corner	Iron	7.9	1.0
11/09/15	Underground	Iron	7.8	1.0
11/09/15	NE Corner	Aluminum	16.0	0.75
11/09/15	Underground	Aluminum	6.7	0.75
11/09/15	NE Corner	Zinc	0.36	0.26
11/09/15	Underground	Zinc	1.2	0.26
11/09/15	NE Corner	TSS	590.0	100/400
11/09/15	Underground	TSS	180.0	100/400
12/21/15	NE Corner	Nitrate+Nitrite	16	0.68
12/21/15	N. Field Exit	Nitrate+Nitrite	2.4	0.68
12/21/15	NE Corner	Aluminum	1.2	0.75
12/21/15	N. Field Exit	Aluminum	2.7	0.75
12/21/15	NE Corner	Iron	2.1	1.0
12/21/15	N. Field Exit	Iron	4.7	1.0
12/21/15	N. Field Exit	Zinc	2.4	0.26
01/18/16	N. Draining	Nitrate+Nitrite	0.93	0.68
01/18/16	N. Draining	Iron	1.6	1.0
01/18/16	N. Draining	Aluminum	1.3	0.75
02/18/16	NE Corner	Nitrate+Nitrite	7.1	0.68
02/18/16	NE Corner	Aluminum	1.3	0.75
02/18/16	NE Corner	Iron	1.4	1.0
02/18/16	N. Field D/S	Nitrate+Nitrite	3.0	0.68
02/18/16	N. Field D/S	TSS	360.0	100/400
02/18/16	N. Field D/S	Aluminum	3.7	0.75
02/18/16	N. Field D/S	Iron	5.0	1.0
03/10/16	NE Corner	Nitrate+Nitrite	1.7	0.68
03/10/16	South Ditch	Nitrate+Nitrite	0.95	0.68
03/10/16	South Ditch	Zinc	4.1	0.26
04/22/16	Field Upstream	Nitrate+Nitrite	1.4	0.68
04/22/16	Field Upstream	TSS	240.0	100/400
04/22/16	Field Upstream	Aluminum	4.1	0.75
04/22/16	Field Upstream	Iron	6.8	1.0

Sample Collection Date	Discharge Point	Parameter	Concentration in Discharge (mg/L)	NAL Annual/Instantaneous Value (mg/L)
10/28/16	NE Corner	Nitrate+Nitrite	1.8	0.68
10/28/16	N. Shop	Nitrate+Nitrite	1.1	0.68
10/28/16	NE Corner	Iron	1.8	1.0
10/28/16	N. Shop	Iron	1.1	1.0
10/28/16	NE Corner	Aluminum	1.5	0.75
10/28/16	N. Shop	Zinc	0.44	0.26
12/8/16	NE Corner	Nitrate+Nitrite	4.6	0.68
12/8/16	S. Shop	Nitrate+Nitrite	2.4	0.68
12/8/16	N. Yard	Nitrate+Nitrite	2.4	0.68
12/8/16	S. Shop	Iron	4.6	1.0
12/8/16	N. Yard	Iron	5.8	1.0
12/8/16	S. Shop	Aluminum	3.6	0.75
12/8/16	N. Yard	Aluminum	3.4	0.75
12/8/16	S. Shop	Zinc	0.89	0.26
12/8/16	N. Yard	Zinc	1.5	0.26

Based on the test results summarized above, the Discharger has annual average exceedances for Nitrates + Nitrites, Aluminum and Iron for the Fiscal Year 2016-17. These results elevated the Discharger to Level 2 Status for those parameters on July 1, 2017, pursuant to Section XII.C – Exceedance Response Actions of the General Permit.

The Discharger may have had other violations that can only be fully identified and documented once discovery and investigation have been completed. Hence, to the extent possible, CEPA includes such violations in this Notice and reserves the right to amend this Notice, if necessary, to include such further violations in future legal proceedings.

The violations discussed herein are derived from eye witness reports and records publicly available. These violations are continuing.

The Facility discharges to Morrison Creek, a tributary of the Sacramento River, waters of the United States. All illegal discharges and activities described in this Notice occurred in close proximity to the above-identified waters. During storm events, discharges from the Facility are highly likely to discharge to said waters.

The RWQCB has determined that the watershed areas and affected waterways identified in this Notice are beneficially used for: water contact recreation, non-contact water recreation, fish and wildlife habitat, preservation of rare and endangered species, fish migration, fish spawning, navigation, and sport fishing. Information available to CEPA indicates the continuation of

unlawful discharges of pollutants from the Facility into waters of the United States, specifically the Sacramento River, in violation of the General Permit and the CWA. CEPA is informed and believes, and on such information and belief alleges, that these illegal discharges will continue to harm beneficial uses of the above-identified waters until the Discharger corrects the violations outlined in this Notice.

III. THE PERSON OR PERSONS RESPONSIBLE FOR THE VIOLATIONS

The entities responsible for the alleged violations are Davison Iron Works and The Andrew Group, LLC, as well as employees of the Discharger responsible for compliance with the CWA.

IV. THE LOCATION OF THE VIOLATIONS

The location of the point sources from which the pollutants identified in this Notice are discharged in violation of the CWA is Davison Iron Works' permanent facility address of 8845 Elder Creek Road in Sacramento, California, and includes the adjoining navigable waters of Morrison Creek and the Sacramento River.

V. THE DATE, DATES, OR REASONABLE RANGE OF DATES OF THE VIOLATIONS

The range of dates covered by this 60-day Notice is from at least November 9, 2015, to the date of this Notice. CEPA may from time to time update this Notice to include all violations which may occur after the range of dates covered by this Notice. Some of the violations are continuous in nature; therefore, each day constitutes a violation.

VI. CONTACT INFORMATION

The entity giving this 60-day Notice is the California Environmental Protection Association ("CEPA"). To ensure proper response to this Notice, all communications should be addressed as follows:

Khavin Sinha, Attorney for
CALIFORNIA ENVIRONMENTAL PROTECTION ASSOCIATION
1645 Willow Street, #150
San Jose, CA 95125
Telephone: (408) 791-0432
Email: xsinha@sinha-law.com

VII. PENALTIES

The violations set forth in this Notice affect the health and enjoyment of members of CEPA who reside near and recreate in the Sacramento River. Members of CEPA use the Sacramento River for recreation, sports, fishing, swimming, boating, hiking, photography, nature walks and the like. Their health, use and enjoyment of this natural resource is specifically impaired by the Discharger's violations of the CWA as set forth in this Notice.

CWA §§ 505(a)(1) and 505(f) provide for citizen enforcement actions against any "person," including individuals, corporations, or partnerships, for violations of NPDES permit requirements and for un-permitted discharges of pollutants. 33 U.S.C. §§ 1365(a)(1) and (f), §1362(5). An action for injunctive relief under the CWA is authorized by 33 U.S.C. §1365(a). Violators of the Act are also subject to an assessment of civil penalties of up to \$37,500 per day/per violation for all violations pursuant to Sections 309(d) and 505 of the Act, 33 U.S.C. §§ 1319(d), 1365. See also 40 C.F.R. §§ 19.1-19.4.

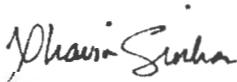
CEPA believes this Notice sufficiently states grounds for filing suit in federal court under the "citizen suit" provisions of CWA to obtain the relief provided for under the law.

VIII. CONCLUSION

The CWA specifically provides a 60-day notice period to promote resolution of disputes. CEPA encourages the Discharger and/or its counsel to contact CEPA or its counsel within 20 days of receipt of this Notice to initiate a discussion regarding the violations detailed herein.

During the 60-day notice period, CEPA is willing to discuss effective remedies for the violations, however, if the Discharger wishes to pursue such discussions in the absence of litigation, it is suggested those discussions be initiated soon so that they may be completed before the end of the 60-day notice period. CEPA reserves the right to file a lawsuit if discussions are continuing when the notice period ends.

Very truly yours,



Xhavin Sinha
Attorney for CALIFORNIA ENVIRONMENTAL PROTECTION ASSOCIATION

Attachments:

Table 2 of the General Permit - *Parameter NAL Values, Test Methods, and Reporting Units*
NOAA Historical Precipitation Data Reports for January 2017, February 2017, March 2017 and April 2017

SINHA
LAW

60-Day Notice of Intent to Sue
December 7, 2017
Page 16 of 16

Copies to:

Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460

Executive Director
State Water Resources Control Board
P.O. Box 100
Roseville, CA 95812-0100

Jeff Sessions, U.S. Attorney General
U.S. Department of Justice
950 Pennsylvania Avenue, N.W.
Washington, D.C. 20530-0001

Regional Administrator
U.S. EPA – Region 9
75 Hawthorne Street
San Francisco, CA, 94105

Executive Officer
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670

TABLE 2: Parameter NAL Values, Test Methods, and Reporting Units

PARAMETER	TEST METHOD	REPORTING UNITS	ANNUAL NAL	INSTANTANEOUS MAXIMUM NAL
pH*	See Section XI.C.2	pH units	N/A	Less than 6.0 Greater than 9.0
Suspended Solids (TSS)*, Total	SM 2540-D	mg/L	100	400
Oil & Grease (O&G)*, Total	EPA 1664A	mg/L	15	25
Zinc, Total (H)	EPA 200.8	mg/L	0.26**	
Copper, Total (H)	EPA 200.8	mg/L	0.0332**	
Cyanide, Total	SM 4500-CN C, D, or E	mg/L	0.022	
Lead, Total (H)	EPA 200.8	mg/L	0.262**	
Chemical Oxygen Demand (COD)	SM 5220C	mg/L	120	
Aluminum, Total	EPA 200.8	mg/L	0.75	
Iron, Total	EPA 200.7	mg/L	1.0	
Nitrate + Nitrite Nitrogen	SM 4500-NO3- E	mg/L as N	0.68	
Total Phosphorus	SM 4500-P B+E	mg/L as P	2.0	
Ammonia (as N)	SM 4500-NH3 B+ C or E	mg/L	2.14	
Magnesium, total	EPA 200.7	mg/L	0.064	
Arsenic, Total (c)	EPA 200.8	mg/L	0.15	
Cadmium, Total (H)	EPA 200.8	mg/L	0.0053**	
Nickel, Total (H)	EPA 200.8	mg/l	1.02**	
Mercury, Total	EPA 245.1	mg/L	0.0014	
Selenium, Total	EPA 200.8	mg/L	0.005	
Silver, Total (H)	EPA 200.8	mg/L	0.0183**	
Biochemical Oxygen Demand (BOD)	SM 5210B	mg/L	30	

SM – Standard Methods for the Examination of Water and Wastewater, 18th edition

EPA – U.S. EPA test methods

(H) – Hardness dependent

* Minimum parameters required by this General Permit

**The NAL is the highest value used by U.S. EPA based on their hardness table in the 2008 MSGP.

Local Climatological Data
Daily Summary
January 2017

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W

Generated on 11/30/2017

Station: **SACRAMENTO METROPOLITAN AIRPORT, CA US 93225**

Date	Temperature (F)							Degree Days (base 65F)		Sun (LST)		Weather Weather Type	Precipitation (in)			Pressure (inHg)		Wind Avg Speed	Maximum Wind Speed = MPH Direction = Degrees				
	Max	Min	Avg	Dep	ARH	ADP	AWB	Heat	Cool	Rise	Set		TLC	Snow Fall	Snow Depth	Avg Stn	Avg SL		Peak Speed	Peak Dir	Sust. Speed	Sust. Dir	
	1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16		17	18	19	20	21
01	50	40	45	0.6				20	0	0725	1656		0.00			29.88		10.8	23	230	17	240	
02	49	40	44	-0.4				21	0	0725	1657	RA BR	0.31			29.97		10.9	22	170	18	170	
03	51	44	48	3.5				17	0	0725	1657	RA BR	0.70			29.95		15.2	51	150	36	160	
04	53	47	50	5.5				15	0	0725	1658	RA BR	0.19			29.90		11.5	43	160	31	170	
05	48	34	41	-3.6				24	0	0725	1659	BR	0.00			30.00		9.1	22	340	17	340	
06	45	28*	36	-8.6				29	0	0725	1700	RA	0.03			30.08		6.3	19	320	14	320	
07	58	38	48	3.3				17	0	0725	1701	RA BR	0.94			29.96		11.0	36	160	24	160	
08	62*	58	60	15.3				5	0	0725	1702	RA BR	2.20			29.83		19.6	39	160	29	170	
09	58	50	54	9.2				11	0	0725	1703	RA BR	0.28			29.96		13.2	32	200	26	190	
10	56	52	54	9.1				11	0	0724	1704	RA BR	2.04			29.78		20.2	44	160	33	160	
11	56	45	50	5.1				15	0	0724	1705	RA	0.02			29.83		11.6	25	200	21	200	
12	49	37	43	-2.0				22	0	0724	1706	RA FG BR	0.20			29.91		4.7	17	330	14	330	
13	57	35	46	0.9				19	0	0724	1707	FG BR	0.00			30.11		6.5	19	320	15	340	
14	47	34	40	-5.2				25	0	0723	1708	FG BR	0.00			30.16		3.3	13	180	10	150	
15	48	34	41	-4.3				24	0	0723	1709	FG BR	0.00			30.12		4.1	12	330	10	330	
16	50	35	42	-3.4				23	0	0723	1710	FG BR	0.00			30.12		2.9	11	220	10	210	
17	43	31	37	-8.5				28	0	0722	1711	FG BR	Ts			30.12		4.2	16	320	13	310	
18	49	42	46	0.4				19	0	0722	1712	RA BR	0.67			29.88		18.8	63	150	45	150	
19	56	46	51	5.3				14	0	0721	1713	RA BR	0.11			29.75		11.7	26	160	21	160	
20	54	46	50	4.2				15	0	0721	1714	RA BR	0.69			29.33		18.9	52	140	40	150	
21	54	45	50	4.1				15	0	0720	1716	RA	0.28			29.72		15.4	37	150	26	150	
22	56	44	50	4.0				15	0	0720	1717	TS RA BR	0.71			29.64		16.9	53	150	39	150	
23	52	41	46	-0.2				19	0	0719	1718	GR RA	0.01			29.79		9.0	19s	190s	16	200	
24	53	34	44	-2.3				21	0	0719	1719		T			30.04		7.0	25	230	17	340	
25	52	32	42	-4.4				23	0	0718	1720		0.00			30.29		4.0	17	320	10	210	
26	55	37	46	-0.6				19	0	0717	1721		0.00			30.39		8.9	25	330	17	320	
27	56	37	46	-0.7				19	0	0716	1722		0.00			30.52		4.8	19	320	17	320	
28	57	33	45	-1.9				20	0	0716	1724	FG BR	0.00			30.52		3.8	12	310	12	310	
29	58	32	45	-2.0				20	0	0715	1725	FG MIFG	0.00			30.37		2.6	10	310	9	310	
30	59	31	45	-2.2				20	0	0714	1726	MIFG FG	0.00			30.19		1.6	13	320	7	320	
31	56	33	44	-3.3				21	0	0713	1727	FG BR	0.00			30.08		2.7	11	230	8	330	
	53.1	39.2	46.2										9.38s			29.99	30.04	9.4					
	-0.2	1.4	0.6										5.45s										
	Degree Days											Number of days with...											
	Monthly				Season-to-date				Temperature				Precipitation			Snow		Weather					
	Total	Departure			Total	Departure			Max	Min			>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog						
Heating	584	-19			1664				>=90°	<=32°			<=32°	<=0°									
Cooling	0	0			0				0	0			5	0	16	13							
	Date of 5-sec to 3-sec wind equipment change							Sea Level Pressure					Greatest...										
	2008-03-19									Date	Time		24-Hr...		Snow Depth								
								Maximum	30.62		28	0941		Precip	Snowfall								
								Minimum	29.27		20	1447		2.37s									
												07-08		Date									
	Station Augmentation																						
	Name: N/A Lat: N/A Lon: N/A Elevation: N/A Distance: N/A Elements: N/A Equipment: N/A																						

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Local Climatological Data
Hourly Observations
January 2017

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W

Generated on 11/30/2017

Station: SACRAMENTO METROPOLITAN AIRPORT, CA US 93225

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	0053	6	CLR:00	10.00		41	5.0	40	4.5	39	3.9	93	14	130		29.86	8	+0.02	29.90	FM-15	0.00	29.90
01	0116	6	BKN:07 13	10.00		44	6.7	43	6.2	42	5.6	93	11	140		29.88				FM-16		29.91
01	0153	6	BKN:07 13	10.00		45	7.2	44	6.4	42	5.6	90	13	140		29.88			29.92	FM-15	0.00	29.92
01	0204	6	BKN:07 15	10.00		45	7.2	43	6.2	41	5.0	86	14	150		29.89				FM-16		29.93
01	0253	6	BKN:07 15	10.00		45	7.2	44	6.4	42	5.6	90	11	140		29.89			29.93	FM-15	0.00	29.93
01	0353	6	BKN:07 18	10.00		45	7.2	43	6.2	41	5.0	86	15	140		29.88	0	-0.02	29.91	FM-15	0.00	29.92
01	0453	6	BKN:07 20	10.00		45	7.2	43	6.2	41	5.0	86	13	140		29.86			29.90	FM-15	0.00	29.90
01	0553	6	BKN:07 24	10.00		45	7.2	43	6.2	41	5.0	86	11	140		29.88			29.91	FM-15	0.00	29.91
01	0653	6	BKN:07 25	10.00		45	7.2	43	6.2	41	5.0	86	9	150		29.89	3	-0.01	29.92	FM-15	0.00	29.93
01	0753	6	OVC:08 28	10.00		45	7.2	43	6.2	41	5.0	86	9	160		29.88			29.92	FM-15	0.00	29.92
01	0853	6	BKN:07 23 OVC:08 29	10.00		44	6.7	43	5.9	41	5.0	89	11	170		29.89			29.93	FM-15	0.00	29.93
01	0953	6	BKN:07 16 OVC:08 22	8.00		44	6.7	43	5.9	41	5.0	89	9	190		29.91	3	-0.02	29.94	FM-15	0.00	29.95
01	1053	6	OVC:08 17	8.00		44	6.7	43	6.2	42	5.6	93	8	200		29.91			29.94	FM-15	0.00	29.94
01	1151	6	FEW:02 9 OVC:08 16	10.00		45	7.0	44	6.7	43	6.0	93	7	200		29.89				FM-16		29.93
01	1153	6	FEW:02 9 OVC:08 16	10.00		45	7.2	44	6.4	42	5.6	90	8	200		29.89			29.93	FM-15	0.00	29.93
01	1223	6	BKN:07 13 BKN:07 18	10.00		46	7.8	44	6.7	42	5.6	86	11	210		29.88				FM-16		29.91
01	1253	6	BKN:07 13 OVC:08 19	10.00		46	7.8	44	6.7	42	5.6	86	7	210		29.88	8	+0.04	29.90	FM-15	0.00	29.91
01	1345	6	BKN:07 15 BKN:07 23	10.00		47	8.3	45	7.3	43	6.1	86	8	200		29.85				FM-16		29.89
01	1353	7	BKN:07 18	10.00		47	8.3	45	7.0	42	5.6	83	9	210		29.85			29.89	FM-15	0.00	29.89
01	1407	7	SCT:04 17 SCT:04 35	10.00		48	8.9	46	7.6	43	6.1	83	5	210		29.85				FM-16		29.89
01	1453	7	FEW:02 18 SCT:04 250	10.00		49	9.4	46	7.8	43	6.1	80	10	200		29.85			29.87	FM-15	0.00	29.88
01	1553	7	FEW:02 20 BKN:07 250	10.00		49	9.4	45	7.1	40	4.4	71	13	180		29.83	6	+0.04	29.86	FM-15	0.00	29.87
01	1653	7	SCT:04 50 SCT:04 250	10.00		47	8.3	43	6.1	38	3.3	71	9	170		29.83			29.86	FM-15	0.00	29.87
01	1753	7	FEW:02 50 SCT:04 250	10.00		47	8.3	42	5.6	36	2.2	66	13	170		29.83			29.86	FM-15	0.00	29.87
01	1853	7	FEW:02 50 SCT:04 250	10.00		45	7.2	41	5.0	36	2.2	71	11	230		29.83	2	-0.00	29.86	FM-15	0.00	29.87
01	1953	7	FEW:02 50 SCT:04 250	10.00		44	6.7	41	5.2	38	3.3	79	10	210		29.85			29.88	FM-15	0.00	29.89
01	2053	7	BKN:07 80	10.00		43	6.1	41	4.9	38	3.3	82	10	190		29.88			29.91	FM-15	0.00	29.91
01	2153	7	BKN:07 80	10.00		45	7.2	41	4.8	35	1.7	68	15	240		29.91	3	-0.08	29.94	FM-15	0.00	29.94
01	2253	7	BKN:07 85	10.00		43	6.1	40	4.2	35	1.7	74	7	160		29.91			29.93	FM-15	0.00	29.94
01	2353	7	SCT:04 85	10.00		41	5.0	38	3.6	35	1.7	79	11	210		29.91			29.94	FM-15	0.00	29.94

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W

Station: SACRAMENTO METROPOLITAN AIRPORT, CA US 93225

Local Climatological Data
Hourly Remarks
January 2017

Generated on 11/30/2017

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Remarks
01	0053	MET10101/01/17 00:53:02 METAR KSMF 010853Z 13012KT 10SM CLR 05/04 A2990 RMK AO2 SLP124 T00500039 58007 (EM)
01	0116	MET09101/01/17 01:16:02 SPECI KSMF 010916Z 14010KT 10SM BKN013 07/06 A2991 RMK AO2 T00670056 (EM)
01	0153	MET09801/01/17 01:53:02 METAR KSMF 010953Z 14011KT 10SM BKN013 07/06 A2992 RMK AO2 SLP131 T00720056 (EM)
01	0204	MET09101/01/17 02:04:02 SPECI KSMF 011004Z 15012KT 10SM BKN015 07/05 A2993 RMK AO2 T00720050 (EM)
01	0253	MET09801/01/17 02:53:02 METAR KSMF 011053Z 14010KT 10SM BKN015 07/06 A2993 RMK AO2 SLP136 T00720056 (EM)
01	0353	MET11601/01/17 03:53:02 METAR KSMF 011153Z 14013KT 10SM BKN018 07/05 A2992 RMK AO2 SLP130 T00720050 10078 20039 50006 (EM)
01	0453	MET09801/01/17 04:53:02 METAR KSMF 011253Z 14011KT 10SM BKN020 07/05 A2990 RMK AO2 SLP124 T00720050 (EM)
01	0553	MET09801/01/17 05:53:02 METAR KSMF 011353Z 14010KT 10SM BKN024 07/05 A2991 RMK AO2 SLP128 T00720050 (EM)
01	0653	MET10401/01/17 06:53:02 METAR KSMF 011453Z 15008KT 10SM BKN025 07/05 A2993 RMK AO2 SLP133 T00720050 53004 (EM)
01	0753	MET09801/01/17 07:53:02 METAR KSMF 011553Z 16008KT 10SM OVC028 07/05 A2992 RMK AO2 SLP131 T00720050 (EM)
01	0853	MET10501/01/17 08:53:02 METAR KSMF 011653Z 17010KT 10SM BKN023 OVC029 07/05 A2993 RMK AO2 SLP135 T00670050 (BL)
01	0953	MET12201/01/17 09:53:02 METAR KSMF 011753Z 19008KT 8SM BKN016 OVC022 07/05 A2995 RMK AO2 SLP140 T00670050 10072 20067 53007 (BL)
01	1053	MET09701/01/17 10:53:02 METAR KSMF 011853Z 20007KT 8SM OVC017 07/06 A2994 RMK AO2 SLP139 T00670056 (BL)
01	1151	MET09301/01/17 11:51:02 SPECI KSMF 011951Z 20006KT 10SM FEW009 OVC016 07/06 A2993 RMK AO2 FIBI (BL)
01	1153	MET10501/01/17 11:53:02 METAR KSMF 011953Z 20007KT 10SM FEW009 OVC016 07/06 A2993 RMK AO2 SLP135 T00720056 (BL)
01	1223	MET09801/01/17 12:23:02 SPECI KSMF 012023Z 21010KT 10SM BKN013 BKN018 08/06 A2991 RMK AO2 T00780056 (BL)
01	1253	MET11101/01/17 12:53:02 METAR KSMF 012053Z 21006KT 10SM BKN013 OVC019 08/06 A2991 RMK AO2 SLP126 T00780056 58014 (BL)
01	1345	MET09801/01/17 13:45:02 SPECI KSMF 012145Z 20007KT 10SM BKN015 BKN023 08/06 A2989 RMK AO2 T00830061 (BL)
01	1353	MET09801/01/17 13:53:02 METAR KSMF 012153Z 21008KT 10SM BKN018 08/06 A2989 RMK AO2 SLP121 T00830056 (BL)
01	1407	MET09801/01/17 14:07:02 SPECI KSMF 012207Z 21004KT 10SM SCT017 SCT035 09/06 A2989 RMK AO2 T00890061 (BL)
01	1453	MET10501/01/17 14:53:02 METAR KSMF 012253Z 20009KT 10SM FEW018 SCT250 09/06 A2988 RMK AO2 SLP116 T00940061 (BL)
01	1553	MET12301/01/17 15:53:02 METAR KSMF 012353Z 18011KT 10SM FEW020 BKN250 09/04 A2987 RMK AO2 SLP113 T00940044 10100 20067 56014 (BL)
01	1653	MET10001/01/17 16:53:01 METAR KSMF 020053Z 17008KT 10SM SCT050 SCT250 08/03 A2987 RMK AO2 SLP112 T00830033
01	1753	MET10001/01/17 17:53:01 METAR KSMF 020153Z 17011KT 10SM FEW050 SCT250 08/02 A2987 RMK AO2 SLP113 T00830022
01	1853	MET10601/01/17 18:53:02 METAR KSMF 020253Z 23010KT 10SM FEW050 SCT250 07/02 A2987 RMK AO2 SLP113 T00720022 52000
01	1953	MET10001/01/17 19:53:02 METAR KSMF 020353Z 21009KT 10SM FEW050 SCT250 07/03 A2989 RMK AO2 SLP120 T00670033
01	2053	MET09301/01/17 20:53:02 METAR KSMF 020453Z 19009KT 10SM BKN080 06/03 A2991 RMK AO2 SLP127 T00610033
01	2153	MET11101/01/17 21:53:02 METAR KSMF 020553Z 24013KT 10SM BKN080 07/02 A2994 RMK AO2 SLP139 T00720017 10094 20056 53026
01	2253	MET09301/01/17 22:53:02 METAR KSMF 020653Z 16006KT 10SM BKN085 06/02 A2994 RMK AO2 SLP136 T00610017
01	2353	MET10301/01/17 23:53:02 METAR KSMF 020753Z 21010KT 10SM SCT085 05/02 A2994 RMK AO2 SLP139 T00500017 401000044

Local Climatological Data
Hourly Precipitation
January 2017
 Generated on 11/30/2017

Date	For Hour (LST) Ending at																					Date				
	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM		10 PM	11 PM	MID	
01																									01	
02										T		T	0.02s	0.02				0.02	T	0.05	0.01	0.08	0.05	0.06	02	
03	0.07	0.02	0.04	T		0.02	0.02	T	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.07	0.01	0.04	0.04	0.05	0.03	0.06	0.02	0.04	03	
04	0.01	T	0.03	T	0.01		T							T	0.04	0.03	0.04	0.02	0.01	T	T	T	T	T	04	
05																									05	
06																							0.02	0.01	06	
07	0.02	0.01	0.03	0.05	0.09	0.08	0.15	0.11	0.10	0.09	0.02	T	T	T	T	0.01	T	T	0.02	0.01			0.03	0.07	0.05	07
08	0.10	0.17	0.08	0.04	0.41	0.21	0.04	0.14	0.09	0.17	0.19	0.09	0.04	0.04	0.09	0.11	0.13	0.05	T	T	0.01					08
09	T	0.02											0.02s	0.04			0.01	T	0.03	T		0.01	0.07	0.08	09	
10	0.06	0.07	0.09	0.20	0.10	0.04	0.04	T	0.02	0.06	0.03	0.06	0.08	0.12	0.07	0.03	0.06	0.08	0.26	0.34	0.05			0.18	10	
11	T						0.02s	T																		11
12		0.02	0.03	0.02	0.02	0.03	0.01	0.01	0.02	0.02	0.01	0.01	T	T	T											12
13																										13
14																										14
15																										15
16																										16
17							T																			17
18			T	0.01	0.02	0.03	T	T		0.01	0.06	0.02	0.09	0.10	0.04	0.07	0.04	0.01	T	0.06	0.09	0.02	T		18	
19					T	T	0.09s	0.01				T										0.01	T	T		19
20	0.02s	0.06	0.07	0.06	0.18	0.25	T	T	0.05	T		T			T	T				T	T					20
21				T				T						T	T	0.03		T	0.03	0.02	0.05	0.04	0.06	0.05	21	
22	0.04	0.07	0.05	T	0.01	0.09	0.05	0.04						0.01	0.11	0.01	0.17	0.06	T						22	
23				T		0.01	T								T	T										23
24	T			T																						24
25																										25
26																										26
27																										27
28																										28
29																										29
30																										30
31																										31

Hourly, daily, and monthly totals on the Daily Summary page and the Hourly Precipitation Table are shown as reported by the instrumentation at the site. However, NWS does not edit hourly values for its ASOS sites, but may edit the daily and monthly totals for selected sites which will be reflected on the Daily Summary page.

T = Trace
 s = Suspect
 * = Erroneous
 blank = No precipitation observed
 M = Missing

Maximum Short Duration Precipitation												
Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.16	0.24	0.28	0.32	0.37	0.46	0.51	0.59	0.64	0.64	0.70	0.72
Ending Date Time (yyyy-mm-dd hh:mi)	2017-01-08 05:01	2017-01-08 05:04	2017-01-08 05:09	2017-01-08 05:10	2017-01-08 05:16	2017-01-08 05:16	2017-01-08 05:24	2017-01-08 05:24	2017-01-08 05:32	2017-01-08 05:32	2017-01-10 20:09	2017-01-10 20:21

Local Climatological Data
Daily Summary
February 2017

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W

Generated on 11/30/2017

Station: SACRAMENTO METROPOLITAN AIRPORT, CA US 93225

Date	Temperature (F)							Degree Days (base 65F)		Sun (LST)		Weather	Precipitation (in)			Pressure (inHg)		Wind	Maximum Wind Speed = MPH						
	Max	Min	Avg	Dep	ARH	ADP	AWB	Heat	Cool	Rise	Set		Weather Type	TLC	Snow Fall	Snow Depth	Avg Stn		Avg SL	Avg Speed	Direction = Degrees				
																					Peak Speed	Peak Dir	Sust. Speed	Sust. Dir	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
01	52	39	46	-1.5				19	0	0712	1728	FG BR	0.00			29.96		4.2	15	310	13	040			
02	62	45	54	6.3				11	0	0712	1729	RA BR	0.30			29.95		9.0	26	140	21	150			
03	60	54	57	9.2				8	0	0711	1730	RA BR	1.20			29.86		16.1	32	190	28	190			
04	60	49	54	6.0				11	0	0710	1732	RA BR	T			30.04		8.9	21	180	18	190			
05	61	47	54	5.8				11	0	0709	1733	RA BR	0.40			29.83		10.6	35s	150s	26	160			
06	58	53	56	7.6				9	0	0708	1734	RA BR	0.54			29.78		17.6	38	150	31	160			
07	63	53	58	9.4				7	0	0707	1735	RA BR	0.49			29.83		17.4	54	160	41	150			
08	63	56	60	11.2				5	0	0706	1736	RA BR	0.25			30.00		10.1	24	160	18	170			
09	63	56	60	11.0				5	0	0705	1737	RA BR	0.38			29.88		11.8	30	170	21	210			
10	62	51	56	6.8				9	0	0703	1738	RA	0.02			29.96		8.2	17	200	14	200			
11	61	46	54	4.6				11	0	0702	1740		0.00s			30.12		13.4	29	320	23	320			
12	63	40	52	2.5				13	0	0701	1741		0.00			30.14		6.4	51s	330s	35	320			
13	59	40	50	0.3				15	0	0700	1742		0.00			30.11		3.7	12	080	10	080			
14	64	41	52	2.1				13	0	0659	1743	BR	0.00			30.08		3.4	14	100	13	100			
15	61	44	52	1.9				13	0	0658	1744	RA BR	T			29.99		5.0	15	170	12	160			
16	64*	51	58	7.7				7	0	0656	1745	RA BR	0.21			29.83		11.0	26	150	21	190			
17	59	52	56	5.5				9	0	0655	1746	RA BR	1.04			29.32		15.5	51	150	41	150			
18	59	48	54	3.3				11	0	0654	1747	RA	0.05			29.52		9.5	20	160	15	180			
19	54	47	50	-0.9				15	0	0653	1749	RA BR	0.20			29.82		14.8	39	140	29	150			
20	58	52	55	3.9				10	0	0651	1750	RA BR	1.32			29.88		18.2	41	140	31	150			
21	60	47	54	2.7				11	0	0650	1751	RA	0.10			30.11		11.8	33	180	26	180			
22	56	38	47	-4.4				18	0	0649	1752		T			30.15		6.7	37	280	28	270			
23	52	32	42	-9.6				23	0	0647	1753		0.00			30.15		4.3	17	290	10	350			
24	52	31*	42	-9.8				23	0	0646	1754		0.00			30.19		4.7	17	140	12	190			
25	54	37	46	-5.9				19	0	0645	1755		0.00			30.07		6.7	17	360	14	330			
26	58	34	46	-6.1				19	0	0643	1756	FG	0.00			29.89		9.8	29	190	24	200			
27	55	36	46	-6.2				19	0	0642	1757		0.00			29.90		4.2	13	320	12	330			
28	58	33	46	-6.4				19	0	0640	1758		0.00			30.16		4.8	15	330	12	350			
	59.0	44.7	51.9									Monthly Averages Totals	6.50s			29.95	29.98	9.6							
	-1.1	4.8	1.9									Departure from Normal (1981-2010)	2.25s												
Degree Days										Number of days with...															
Monthly					Season-to-date					Temperature				Precipitation		Snow	Weather								
Total		Departure			Total		Departure			Max		Min		>=0.01"		>=0.1"		>=1"		T-Storms		Heavy Fog			
Heating		369			-51			2032		>=90°		<=32°		<=32°		<=0°		14		12					
Cooling		0			0			0		0		0		2		0									
Date of 5-sec to 3-sec wind equipment change										Sea Level Pressure						Greatest...									
2008-03-19										Maximum		30.34		Date		28		Time		2359		24-Hr...		Snow Depth	
										Minimum		29.20				17				Precip		Snowfall			
																		1.32							
																				Date					
																		20-20							
Station Augmentation																									
Name: N/A Lat: N/A Lon: N/A Elevation: N/A Distance: N/A Elements: N/A Equipment: N/A																									

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Local Climatological Data
Hourly Observations
February 2017

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W

Generated on 11/30/2017

Station: SACRAMENTO METROPOLITAN AIRPORT, CA US 93225

Date	Time (LST)	Station Type	Sky Conditions	Visi- bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3- Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti- meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	0053	7	BKN:07 220	9.00		43	6.1	43	6.1	43	6.1	100	0	000		30.01	8	+0.02	30.03	FM-15	0.00	30.04
01	0153	7	SCT:04 1 BKN:07 220	10.00		40	4.4	40	4.4	40	4.4	100	0	000		29.99			30.03	FM-15	0.00	30.03
01	0154	6		0.50									0	000						FM-16		
01	0253	7	FEW:02 1 BKN:07 220	10.00		41	5.0	41	5.0	41	5.0	100	0	000		29.98			30.01	FM-15	0.00	30.02
01	0353	7	BKN:07 210	10.00		40	4.4	40	4.4	40	4.4	100	3	020		29.96	8	+0.04	30.00	FM-15	0.00	30.00
01	0453	7	SCT:04 210	10.00		41	5.0	41	5.0	41	5.0	100	0	000		29.98			30.01	FM-15	0.00	30.01
01	0553	7	SCT:04 210	10.00		40	4.4	40	4.4	40	4.4	100	6	010		29.96			30.00	FM-15	0.00	30.00
01	0622	7	SCT:04 210	0.25s	BR s s	40	4.4	40	4.4	40	4.4	100	7	030		29.98				FM-16		30.01
01	0636	7	BKN:07 1	0.25	FG FG	41	5.0	41	5.0	41	5.0	100	7	300		30.01				FM-16		30.04
01	0653	7	BKN:07 1	0.25	FG FG	41	5.0	41	5.0	41	5.0	100	5	020		29.98	3	-0.02	30.02	FM-15	0.00	30.02
01	0728	7	SCT:04 1 BKN:07 30 OVC:08 200	1.00	BR	42	5.6	42	5.6	42	5.6	100	5	030		29.98				FM-16		30.02
01	0731	7	SCT:04 1 BKN:07 30 OVC:08 200	1.25	BR	41	5.0	41	5.0	41	5.0	100	5	020		29.98				FM-16		30.02
01	0753	7	SCT:04 1 BKN:07 30 OVC:08 190	1.25	BR	42	5.6	42	5.6	42	5.6	100	6	310		30.01			30.03	FM-15	0.00	30.04
01	0813	7	BKN:07 170	3.00	BR	43	6.1	43	6.1	43	6.1	100	3	320		29.99				FM-16		30.03
01	0853	7	OVC:08 190	5.00	BR	44	6.7	44	6.7	44	6.7	100	5	070		29.98			30.01	FM-15	0.00	30.01
01	0953	7	OVC:08 160	8.00		47	8.3	47	8.1	46	7.8	97	3	280		30.01	3	-0.02	30.04	FM-15	0.00	30.04
01	1053	7	FEW:02 110 OVC:08 160	9.00		47	8.3	47	8.1	46	7.8	97	5	320		30.01			30.03	FM-15	0.00	30.04
01	1153	7	OVC:08 160	10.00		50	10.0	48	9.2	47	8.3	89	7	300		29.96			30.00	FM-15	0.00	30.00
01	1253	7	OVC:08 110	9.00		50	10.0	48	8.9	46	7.8	86	10	330		29.94	8	+0.06	29.98	FM-15	0.00	29.98
01	1353	7	FEW:02 110 OVC:08 150	10.00		51	10.6	49	9.2	46	7.8	83	3	050		29.93			29.96	FM-15	0.00	29.96
01	1453	7	FEW:02 120 OVC:08 160	10.00		51	10.6	49	9.7	48	8.9	89	7	020		29.91			29.95	FM-15	0.00	29.95
01	1553	7	OVC:08 170	10.00		51	10.6	49	9.4	47	8.3	86	7	340		29.91	6	+0.04	29.94	FM-15	0.00	29.94
01	1653	7	OVC:08 200	10.00		49	9.4	48	8.9	47	8.3	93	6	290		29.93			29.97	FM-15	0.00	29.97
01	1753	7	BKN:07 160	10.00		48	8.9	48	8.6	47	8.3	96	0	000		29.91			29.94	FM-15	0.00	29.95
01	1853	7	OVC:08 160	10.00		47	8.3	47	8.3	47	8.3	100	6	320		29.93	1	-0.02	29.96	FM-15	0.00	29.96
01	1953	7	OVC:08 200	10.00		45	7.2	45	7.2	45	7.2	100	3	360		29.93			29.96	FM-15	0.00	29.96
01	2053	7	SCT:04 100 OVC:08 200	9.00		47	8.3	47	8.1	46	7.8	97	3	330		29.93			29.96	FM-15	0.00	29.96
01	2153	7	OVC:08 95	10.00		47	8.3	47	8.1	46	7.8	97	6	360		29.91	8	+0.01	29.94	FM-15	0.00	29.95
01	2253	7	BKN:07 100 BKN:07 120	10.00		46	7.8	46	7.5	45	7.2	96	6	280		29.93			29.96	FM-15	0.00	29.96
01	2353	7	BKN:07 110	10.00		45	7.2	45	7.0	44	6.7	97	5	330		29.91			29.94	FM-15	0.00	29.95

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W

Station: SACRAMENTO METROPOLITAN AIRPORT, CA US 93225

Local Climatological Data
Hourly Remarks
February 2017

Generated on 11/30/2017

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Remarks
01	0053	MET10302/01/17 00:53:02 METAR KSMF 010853Z 00000KT 9SM BKN220 06/06 A3004 RMK AO2 SLP171 T00610061 58008 (MA)
01	0153	MET11802/01/17 01:53:02 METAR KSMF 010953Z 00000KT 10SM SCT001 BKN220 04/04 A3003 RMK AO2 SLP168 VIS NW-N 1/2 T00440044 (MA)
01	0154	MET06702/01/17 01:54:02 SPECI KSMF 010954Z 00000KT 1/2SM RVRNO CNCL (RMK
01	0253	MET11802/01/17 02:53:02 METAR KSMF 011053Z 00000KT 10SM FEW001 BKN220 05/05 A3002 RMK AO2 SLP164 VIS NW-N 1/2 T00500050 (MA)
01	0353	MET12702/01/17 03:53:02 METAR KSMF 011153Z 02003KT 10SM BKN210 04/04 A3000 RMK AO2 SLP159 VIS NW 3/4 T00440044 10072 20039 58012 (MA)
01	0453	MET09802/01/17 04:53:02 METAR KSMF 011253Z 00000KT 10SM SCT210 05/05 A3001 RMK AO2 SLP161 T00500050 (MA)
01	0553	MET09802/01/17 05:53:02 METAR KSMF 011353Z 01005KT 10SM SCT210 04/04 A3000 RMK AO2 SLP159 T00440044 (MA)
01	0622	MET12002/01/17 06:22:02 SPECI KSMF 011422Z 03006KT 1/4SM R16R/P6000FT BR SCT210 04/04 A3001 RMK AO2 SFC VIS 3/4 T00440044 (MA)
01	0636	MET12702/01/17 06:36:02 SPECI KSMF 011436Z 30006KT 1/4SM R16R/P6000FT FG BKN001 05/05 A3004 RMK AO2 SFC VIS 1/2 PRESRR T00500050 (MA)
01	0653	MET13202/01/17 06:53:02 METAR KSMF 011453Z 02004KT 1/4SM R16R/5000FT FG BKN001 05/05 A3002 RMK AO2 SFC VIS 1/2 SLP166 T00500050 53006 (MA)
01	0728	MET13402/01/17 07:28:02 SPECI KSMF 011528Z 03004KT 1 SM R16R/P6000FT BR SCT001 BKN030 OVC200 06/06 A3002 RMK AO2 TWR VIS 1 1/4 T00560056 (MA)
01	0731	MET11102/01/17 07:31:02 SPECI KSMF 011531Z 02004KT 1 1/4SM BR SCT001 BKN030 OVC200 05/05 A3002 RMK AO2 T00500050 (MA)
01	0753	MET13202/01/17 07:53:02 METAR KSMF 011553Z 31005KT 1 1/4SM BR SCT001 BKN030 OVC190 06/06 A3004 RMK AO2 SFC VIS 1 1/2 SLP170 T00560056 (MA)
01	0813	MET09302/01/17 08:13:02 SPECI KSMF 011613Z 32003KT 3SM BR BKN170 06/06 A3003 RMK AO2 T00610061 (KF)
01	0853	MET10002/01/17 08:53:02 METAR KSMF 011653Z 07004KT 5SM BR OVC190 07/07 A3001 RMK AO2 SLP161 T00670067 (KF)
01	0953	MET11502/01/17 09:53:02 METAR KSMF 011753Z 28003KT 8SM OVC160 08/08 A3004 RMK AO2 SLP172 T00830078 10083 20039 53007 (KF)
01	1053	MET10402/01/17 10:53:02 METAR KSMF 011853Z 32004KT 9SM FEW110 OVC160 08/08 A3004 RMK AO2 SLP171 T00830078 (KF)
01	1153	MET09802/01/17 11:53:02 METAR KSMF 011953Z 30006KT 10SM OVC160 10/08 A3000 RMK AO2 SLP159 T01000083 (KF)
01	1253	MET14402/01/17 12:53:02 METAR KSMF 012053Z 33009KT 9SM OVC110 10/08 A2998 RMK AO2 PRESFR SLP151 PIREP HZ ALL QUADS 4SM AND BEYOND T01000078 58021 (KF)
01	1353	MET10502/01/17 13:53:02 METAR KSMF 012153Z 05003KT 10SM FEW110 OVC150 11/08 A2996 RMK AO2 SLP145 T01060078 (KF)
01	1453	MET10502/01/17 14:53:02 METAR KSMF 012253Z 02006KT 10SM FEW120 OVC160 11/09 A2995 RMK AO2 SLP143 T01060089 (KF)
01	1553	MET11602/01/17 15:53:02 METAR KSMF 012353Z 34006KT 10SM OVC170 11/08 A2994 RMK AO2 SLP139 T01060083 10111 20078 56012 (KF)
01	1653	MET09302/01/17 16:53:01 METAR KSMF 020053Z 29005KT 10SM OVC200 09/08 A2997 RMK AO2 SLP148 T00940083
01	1753	MET09302/01/17 17:53:01 METAR KSMF 020153Z 00000KT 10SM BKN160 09/08 A2995 RMK AO2 SLP140 T00890083
01	1853	MET09902/01/17 18:53:01 METAR KSMF 020253Z 32005KT 10SM OVC160 08/08 A2996 RMK AO2 SLP145 T00830083 51006
01	1953	MET09302/01/17 19:53:01 METAR KSMF 020353Z 36003KT 10SM OVC200 07/07 A2996 RMK AO2 SLP144 T00720072
01	2053	MET09902/01/17 20:53:01 METAR KSMF 020453Z 33003KT 9SM SCT100 OVC200 08/08 A2996 RMK AO2 SLP146 T00830078
01	2153	MET11102/01/17 21:53:01 METAR KSMF 020553Z 36005KT 10SM OVC095 08/08 A2995 RMK AO2 SLP140 T00830078 10106 20067 58005
01	2253	MET10002/01/17 22:53:01 METAR KSMF 020653Z 28005KT 10SM BKN100 BKN120 08/07 A2996 RMK AO2 SLP144 T00780072
01	2353	MET10302/01/17 23:53:01 METAR KSMF 020753Z 33004KT 10SM BKN110 07/07 A2995 RMK AO2 SLP140 T00720067 401110039

Local Climatological Data
Hourly Precipitation
February 2017
 Generated on 11/30/2017

Date	For Hour (LST) Ending at																				Date						
	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM		9 PM	10 PM	11 PM	MID		
01																									01		
02			0.02	0.05	0.02	0.08	0.06	0.02	0.04	0.01			T							T					02		
03				T	0.05	0.12	0.71	0.05	0.09	T			0.01s	0.02	0.01	0.10	0.02			T			T	0.01	0.01	03	
04				T					T	T	T				T	T										04	
05																	T	0.02	0.20	0.10			0.04	0.02	0.02	05	
06				T	T	0.01	0.09	0.06	0.02	T	T	0.01	T	T	0.01	0.01	0.02	0.01	0.03	0.03	0.05	0.09	0.06	0.04	06		
07	0.09	0.10	0.06	0.04	0.05	0.08	0.04	0.03	T																T	07	
08	0.06	0.03	0.03	T	T	0.01	0.05	0.04	0.02	T		T	T			0.01										08	
09								0.01	0.01	T	0.02	0.04	0.13	0.10	0.05	T	0.02								T	T	09
10					T	0.01	0.01																		T	10	
11																										11	
12																										12	
13																										13	
14																										14	
15																										15	
16			T	0.03s	0.15	0.03						T	T	T												16	
17	T	0.03	0.01			0.05	0.08	0.09	0.09	0.18	0.11	0.07	0.02		0.01	T	0.01	0.07	T	T	0.05	0.08	0.05	0.04	17		
18	0.01	T	0.02	0.01	0.01	T	T																			18	
19	T	0.03	0.05	0.05	0.03	T	0.01	0.01					T	0.01	T	0.01	T									19	
20	0.04s	0.06	0.02	0.08	0.21	0.10	0.03	T	0.01	0.01	0.02	0.03	0.04	0.06	0.02	0.09	0.09	0.17	0.21	0.03	T				20		
21					0.01	0.03							T	0.05	T	0.01									T	21	
22																		T								22	
23																										23	
24																										24	
25																										25	
26																										26	
27																										27	
28																										28	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.26	0.34	0.42	0.50	0.57	0.67	0.72	0.78	0.81	0.85	0.92	0.93
Ending Date Time (yyyy-mm-dd hh.mi)	2017-02-03 06:32	2017-02-03 06:36	2017-02-03 06:41	2017-02-03 06:44	2017-02-03 06:46	2017-02-03 06:46	2017-02-03 06:49	2017-02-03 07:15	2017-02-03 07:09	2017-02-03 07:09	2017-02-03 07:15	2017-02-03 07:15

Hourly, daily, and monthly totals on the Daily Summary page and the Hourly Precipitation Table are shown as reported by the instrumentation at the site. However, NWS does not edit hourly values for its ASOS sites, but may edit the daily and monthly totals for selected sites which will be reflected on the Daily Summary page.

T = Trace
 s = Suspect
 * = Erroneous
 blank = No precipitation observed
 M = Missing

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Local Climatological Data
Hourly Observations
March 2017

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W

Generated on 11/30/2017

Station: **SACRAMENTO METROPOLITAN AIRPORT, CA US 93225**

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	0053	7	CLR:00	10.00		41	5.0	40	4.3	38	3.3	89	3	330		30.32	1	-0.02	30.34	FM-15	0.00	30.35
01	0153	7	CLR:00	10.00		39	3.9	38	3.4	37	2.8	93	0	000		30.32			30.36	FM-15	0.00	30.36
01	0253	7	CLR:00	10.00		39	3.9	39	3.6	38	3.3	96	0	000		30.32			30.36	FM-15	0.00	30.36
01	0353	7	CLR:00	10.00		38	3.3	38	3.1	37	2.8	97	8	300		30.32	1	-0.01	30.36	FM-15	0.00	30.36
01	0453	7	CLR:00	10.00		39	3.9	39	3.6	38	3.3	96	5	330		30.35			30.37	FM-15	0.00	30.38
01	0553	7	CLR:00	10.00		37	2.8	37	2.5	36	2.2	96	5	330		30.35			30.39	FM-15	0.00	30.39
01	0653	7	CLR:00	9.00		36	2.2	36	2.2	36	2.2	100	5	020		30.36	1	-0.04	30.40	FM-15	0.00	30.40
01	0753	7	CLR:00	9.00		41	5.0	41	4.8	40	4.4	96	5	040		30.37			30.41	FM-15	0.00	30.41
01	0853	7	CLR:00	9.00		46	7.8	43	6.3	40	4.4	79	3	050		30.38			30.42	FM-15	0.00	30.42
01	0953	7	CLR:00	10.00		49	9.4	46	7.6	42	5.6	77	5	310		30.38	0	-0.02	30.41	FM-15	0.00	30.42
01	1053	7	CLR:00	10.00		51	10.6	46	7.7	40	4.4	66	5	VRB		30.37			30.41	FM-15	0.00	30.41
01	1153	7	CLR:00	10.00		55	12.8	48	9.0	41	5.0	59	7	330		30.37			30.40	FM-15	0.00	30.41
01	1253	7	CLR:00	10.00		57	13.9	50	9.8	42	5.6	58	8	330		30.35	8	+0.04	30.38	FM-15	0.00	30.38
01	1353	7	CLR:00	10.00		59	15.0	50	10.1	41	5.0	51	5	320		30.32			30.36	FM-15	0.00	30.36
01	1453	7	CLR:00	10.00		61	16.1	51	10.6	41	5.0	48	8	360		30.32			30.34	FM-15	0.00	30.35
01	1553	7	CLR:00	10.00		62	16.7	52	10.8	41	5.0	46	6	030		30.30	6	+0.04	30.33	FM-15	0.00	30.34
01	1653	7	CLR:00	10.00		61	16.1	50	10.1	39	3.9	44	0	000		30.29			30.32	FM-15	0.00	30.33
01	1753	7	CLR:00	10.00		59	15.0	49	9.6	39	3.9	48	0	000		30.29			30.32	FM-15	0.00	30.33
01	1853	7	CLR:00	10.00		51	10.6	46	7.7	40	4.4	66	0	000		30.29	5	+0.01	30.32	FM-15	0.00	30.33
01	1953	7	CLR:00	10.00		52	11.1	46	7.5	38	3.3	59	3	270		30.29			30.33	FM-15	0.00	30.33
01	2053	7	CLR:00	10.00		49	9.4	45	7.4	41	5.0	74	3	210		30.30			30.34	FM-15	0.00	30.34
01	2153	7	CLR:00	10.00		46	7.8	44	6.5	41	5.0	83	0	000		30.32	3	-0.02	30.35	FM-15	0.00	30.35
01	2253	7	CLR:00	10.00		44	6.7	42	5.7	40	4.4	85	3	120		30.32			30.35	FM-15	0.00	30.35
01	2353	7	CLR:00	10.00		45	7.2	42	5.7	39	3.9	80	6	110		30.32			30.35	FM-15	0.00	30.35

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W

Station: SACRAMENTO METROPOLITAN AIRPORT, CA US 93225

Local Climatological Data
Hourly Remarks
March 2017

Generated on 11/30/2017

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Remarks
01	0053	MET10103/01/17 00:53:02 METAR KSMF 010853Z 33003KT 10SM CLR 05/03 A3035 RMK AO2 SLP275 T00500033 51007 (MA)
01	0153	MET09503/01/17 01:53:02 METAR KSMF 010953Z 00000KT 10SM CLR 04/03 A3036 RMK AO2 SLP280 T00390028 (MA)
01	0253	MET09503/01/17 02:53:02 METAR KSMF 011053Z 00000KT 10SM CLR 04/03 A3036 RMK AO2 SLP280 T00390033 (MA)
01	0353	MET11303/01/17 03:53:02 METAR KSMF 011153Z 30007KT 10SM CLR 03/03 A3036 RMK AO2 SLP281 T00330028 10078 20028 51005 (MA)
01	0453	MET09503/01/17 04:53:02 METAR KSMF 011253Z 33004KT 10SM CLR 04/03 A3038 RMK AO2 SLP286 T00390033 (MA)
01	0553	MET09503/01/17 05:53:02 METAR KSMF 011353Z 33004KT 10SM CLR 03/02 A3039 RMK AO2 SLP291 T00280022 (MA)
01	0653	MET10003/01/17 06:53:02 METAR KSMF 011453Z 02004KT 9SM CLR 02/02 A3040 RMK AO2 SLP293 T00220022 51012 (MA)
01	0753	MET09403/01/17 07:53:02 METAR KSMF 011553Z 04004KT 9SM CLR 05/04 A3041 RMK AO2 SLP298 T00500044 (MA)
01	0853	MET09403/01/17 08:53:02 METAR KSMF 011653Z 05003KT 9SM CLR 08/04 A3042 RMK AO2 SLP300 T00780044 (MA)
01	0953	MET10803/01/17 09:53:02 METAR KSMF 011753Z 31004KT 10SM CLR 09/06 A3042 RMK AO2 SLP299 T00940056 10094 20017 50006
01	1053	MET09003/01/17 10:53:02 METAR KSMF 011853Z VRB04KT 10SM CLR 11/04 A3041 RMK AO2 SLP298 T01060044
01	1153	MET09003/01/17 11:53:02 METAR KSMF 011953Z 33006KT 10SM CLR 13/05 A3041 RMK AO2 SLP296 T01280050
01	1253	MET10103/01/17 12:53:02 METAR KSMF 012053Z 33007KT 10SM CLR 14/06 A3038 RMK AO2 SLP287 T01390056 58012 (KF)
01	1353	MET09503/01/17 13:53:02 METAR KSMF 012153Z 32004KT 10SM CLR 15/05 A3036 RMK AO2 SLP281 T01500050 (KF)
01	1453	MET09503/01/17 14:53:02 METAR KSMF 012253Z 36007KT 10SM CLR 16/05 A3035 RMK AO2 SLP275 T01610050 (KF)
01	1553	MET11303/01/17 15:53:02 METAR KSMF 012353Z 03005KT 10SM CLR 17/05 A3034 RMK AO2 SLP272 T01670050 10167 20089 56015 (KF)
01	1653	MET09003/01/17 16:53:01 METAR KSMF 020053Z 00000KT 10SM CLR 16/04 A3033 RMK AO2 SLP269 T01610039
01	1753	MET09003/01/17 17:53:01 METAR KSMF 020153Z 00000KT 10SM CLR 15/04 A3033 RMK AO2 SLP268 T01500039
01	1853	MET09603/01/17 18:53:02 METAR KSMF 020253Z 00000KT 10SM CLR 11/04 A3033 RMK AO2 SLP269 T01060044 55004
01	1953	MET09003/01/17 19:53:02 METAR KSMF 020353Z 27003KT 10SM CLR 11/03 A3033 RMK AO2 SLP271 T01110033
01	2053	MET09003/01/17 20:53:02 METAR KSMF 020453Z 21003KT 10SM CLR 09/05 A3034 RMK AO2 SLP273 T00940050
01	2153	MET10803/01/17 21:53:02 METAR KSMF 020553Z 00000KT 10SM CLR 08/05 A3035 RMK AO2 SLP277 T00780050 10167 20072 53008
01	2253	MET09003/01/17 22:53:02 METAR KSMF 020653Z 12003KT 10SM CLR 07/04 A3035 RMK AO2 SLP277 T00670044
01	2353	MET10003/01/17 23:53:02 METAR KSMF 020753Z 11005KT 10SM CLR 07/04 A3035 RMK AO2 SLP276 T00720039 401670017

Local Climatological Data
Hourly Precipitation
March 2017

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W

Generated on 11/30/2017

Station: SACRAMENTO METROPOLITAN AIRPORT, CA US 93225

Date	For Hour (LST) Ending at																				Date				
	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM		9 PM	10 PM	11 PM	MID
01																									01
02																									02
03																									03
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16																									16
17																									17
18																									18
19																									19
20																									20
21	0.09	0.04	T	0.11	0.03	T		0.06	0.01	0.32															21
22	T	0.31	0.25	0.16	0.12	0.05	T	T																	22
23																									23
24																									24
25																									25
26																									26
27																									27
28																									28
29																									29
30	T																								30
31																									31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.14	0.25	0.30	0.32	0.32	0.32	0.37	0.44	0.53	0.61	0.69	0.73
Ending Date Time (yyyy-mm-dd hh:mi)	2017-03-21 09:11	2017-03-21 09:16	2017-03-21 09:18	2017-03-21 09:18	2017-03-21 09:18	2017-03-21 09:18	2017-03-21 02:13	2017-03-22 02:34	2017-03-22 02:53	2017-03-22 03:12	2017-03-22 03:42	2017-03-22 04:03

Hourly, daily, and monthly totals on the Daily Summary page and the Hourly Precipitation Table are shown as reported by the instrumentation at the site. However, NWS does not edit hourly values for its ASOS sites, but may edit the daily and monthly totals for selected sites which will be reflected on the Daily Summary page.

T = Trace
 s = Suspect
 * = Erroneous
 blank = No precipitation observed
 M = Missing

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W
 Station: SACRAMENTO METROPOLITAN AIRPORT, CA US 93225

Local Climatological Data Hourly Observations April 2017

Generated on 11/30/2017

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
					AU AW MW	(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	0053	7	CLR:00	10.00		58	14.4	49	9.6	40	4.4	51	15	360		29.93	3	-0.01	29.97	FM-15	0.00	29.97
01	0153	7	CLR:00	10.00		55	12.8	47	8.5	39	3.9	55	10	330		29.93			29.96	FM-15	0.00	29.97
01	0253	7	CLR:00	10.00		51	10.6	47	8.2	42	5.6	71	11	320		29.93			29.96	FM-15	0.00	29.97
01	0353	7	CLR:00	10.00		51	10.6	46	7.9	41	5.0	69	8	300		29.93	5	+0.00	29.97	FM-15	0.00	29.97
01	0453	7	CLR:00	10.00		50	10.0	45	7.4	40	4.4	68	6	360		29.96			29.99	FM-15	0.00	29.99
01	0553	7	BKN:07 250	10.00		46	7.8	43	6.2	40	4.4	79	3	280		29.98			30.00	FM-15	0.00	30.01
01	0653	7	BKN:07 250	10.00		53	11.7	48	8.9	43	6.1	69	6	350		29.98	1	-0.05	30.02	FM-15	0.00	30.02
01	0753	7	BKN:07 250	10.00		55	12.8	49	9.5	43	6.1	64	6	030		30.01			30.03	FM-15	0.00	30.04
01	0853	7	SCT:04 250	8.00		59	15.0	51	10.8	44	6.7	58	6	030		30.01			30.04	FM-15	0.00	30.04
01	0953	7	SCT:04 250	9.00		63	17.2	54	12.3	46	7.8	54	5	080		30.01	0	-0.01	30.03	FM-15	0.00	30.04
01	1053	7	BKN:07 250	10.00		65	18.3	54	12.2	44	6.7	47	0	000		29.99			30.03	FM-15	0.00	30.03
01	1153	7	BKN:07 250	10.00		70	21.1	57	13.9	46	7.8	42	6	VRB		29.99			30.02	FM-15	0.00	30.03
01	1253	7	SCT:04 250	10.00		71	21.7	57	14.1	46	7.8	41	3	VRB		29.98	8	+0.03	30.01	FM-15	0.00	30.01
01	1353	7	SCT:04 250	10.00		72	22.2	58	14.6	47	8.3	41	5	100		29.96			29.98	FM-15	0.00	29.99
01	1453	7	SCT:04 250	10.00		75	23.9	59	15.0	46	7.8	36	3	VRB		29.93			29.96	FM-15	0.00	29.96
01	1553	7	SCT:04 250	10.00		75	23.9	59	15.2	47	8.3	37	7	150		29.91	6	+0.06	29.94	FM-15	0.00	29.95
01	1653	4		10.00		73	22.8			50	10.0	44	14	180					29.95	FM-15		29.95
01	1753	4		10.00		70	21.1			50	10.0	49	10	180					29.94	FM-15		29.94
01	1853	4		10.00		68	20.0			48	8.9	49	10	170					29.94	FM-15		29.95
01	1953	4		10.00		66	18.9			49	9.4	54	7	170					29.95	FM-15		29.96
01	2053	4		10.00		66	18.9			47	8.3	50	9	160					29.95	FM-15		29.95
01	2153	4		10.00		61	16.1			48	8.9	63	7	130					29.96	FM-15		29.96
01	2253	4		10.00		59	15.0			49	9.4	69	8	120					29.95	FM-15		29.95
01	2353	7	CLR:00	10.00		59	15.0	54	12.3	50	10.0	72	9	140		29.93			29.96	FM-15	0.00	29.96

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Current Location: Elev: 23 ft. Lat: 38.6956° N Lon: -121.5897° W
 Station: SACRAMENTO METROPOLITAN AIRPORT, CA US 93225

Local Climatological Data
Hourly Remarks
April 2017

Generated on 11/30/2017

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Remarks
01	0053	MET10104/01/17 00:53:02 METAR KSMF 010853Z 36013KT 10SM CLR 14/04 A2997 RMK AO2 SLP148 T01440044 53005 (GD)
01	0153	MET09504/01/17 01:53:02 METAR KSMF 010953Z 33009KT 10SM CLR 13/04 A2997 RMK AO2 SLP146 T01280039 (GD)
01	0253	MET09504/01/17 02:53:02 METAR KSMF 011053Z 32010KT 10SM CLR 11/06 A2997 RMK AO2 SLP147 T01060056 (GD)
01	0353	MET11304/01/17 03:53:02 METAR KSMF 011153Z 30007KT 10SM CLR 11/05 A2997 RMK AO2 SLP148 T01060050 10172 20100 55000 (GD)
01	0453	MET09504/01/17 04:53:02 METAR KSMF 011253Z 36005KT 10SM CLR 10/04 A2999 RMK AO2 SLP155 T01000044 (GD)
01	0553	MET09804/01/17 05:53:02 METAR KSMF 011353Z 28003KT 10SM BKN250 08/04 A3001 RMK AO2 SLP160 T00780044 (GD)
01	0653	MET10404/01/17 06:53:02 METAR KSMF 011453Z 35005KT 10SM BKN250 12/06 A3002 RMK AO2 SLP165 T01170061 51017 (GD)
01	0753	MET09804/01/17 07:53:02 METAR KSMF 011553Z 03005KT 10SM BKN250 13/06 A3004 RMK AO2 SLP171 T01280061 (BL)
01	0853	MET09704/01/17 08:53:02 METAR KSMF 011653Z 03005KT 8SM SCT250 15/07 A3004 RMK AO2 SLP173 T01500067 (BL)
01	0953	MET11504/01/17 09:53:02 METAR KSMF 011753Z 08004KT 9SM SCT250 17/08 A3004 RMK AO2 SLP171 T01720078 10172 20067 50005 (BL)
01	1053	MET09804/01/17 10:53:02 METAR KSMF 011853Z 00000KT 10SM BKN250 18/07 A3003 RMK AO2 SLP168 T01830067 (BL)
01	1153	MET09804/01/17 11:53:02 METAR KSMF 011953Z VRB05KT 10SM BKN250 21/08 A3003 RMK AO2 SLP167 T02110078 (BL)
01	1253	MET10404/01/17 12:53:02 METAR KSMF 012053Z VRB03KT 10SM SCT250 22/08 A3001 RMK AO2 SLP161 T02170078 58009 (BL)
01	1353	MET09804/01/17 13:53:02 METAR KSMF 012153Z 10004KT 10SM SCT250 22/08 A2999 RMK AO2 SLP154 T02220083 (BL)
01	1453	MET09804/01/17 14:53:02 METAR KSMF 012253Z VRB03KT 10SM SCT250 24/08 A2996 RMK AO2 SLP145 T02390078 (BL)
01	1553	MET11604/01/17 15:53:02 METAR KSMF 012353Z 15006KT 10SM SCT250 24/08 A2995 RMK AO2 SLP140 T02390083 10239 20167 56022 (LT)
01	1653	MET076METAR KSMF 020053Z 18012KT 10SM SCT250 23/10 A2995 RMK AO2 SLP141 T02280100=
01	1753	MET076METAR KSMF 020153Z 18009KT 10SM SCT250 21/10 A2994 RMK AO2 SLP138 T02110100=
01	1853	MET082METAR KSMF 020253Z 17009KT 10SM FEW250 20/09 A2995 RMK AO2 SLP140 T02000089 53000=
01	1953	MET076METAR KSMF 020353Z 17006KT 10SM FEW250 19/09 A2996 RMK AO2 SLP143 T01890094=
01	2053	MET073METAR KSMF 020453Z 16008KT 10SM CLR 19/08 A2995 RMK AO2 SLP142 T01890083=
01	2153	MET091METAR KSMF 020553Z 13006KT 10SM CLR 16/09 A2996 RMK AO2 SLP145 T01610089 10244 20161 51004=
01	2253	MET073METAR KSMF 020653Z 12007KT 10SM CLR 15/09 A2995 RMK AO2 SLP141 T01500094=
01	2353	MET10004/01/17 23:53:02 METAR KSMF 020753Z 14008KT 10SM CLR 15/10 A2996 RMK AO2 SLP144 T01500100 402440067

Local Climatological Data
Hourly Precipitation
April 2017

Generated on 11/30/2017

Date	For Hour (LST) Ending at																						Date			
	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM		11 PM	MID	
01																									01	
02																									02	
03																									03	
04																									04	
05																									05	
06					T	T	T	0.01	0.01	0.01	T	T	T	T	T	T	T	0.14	0.05	0.29	0.10	0.11	0.15	0.07	06	
07		0.01		0.01	T	0.03	T		0.02	0.31	T			0.02					T	0.02	0.07	0.24	0.06	0.01	07	
08	T								0.01	0.11	0.03	0.09	T												08	
09																									09	
10																									10	
11				T	T	T			T	T	T	T	T											0.02	11	
12	0.01							0.01	0.01		0.01	0.01											0.01	0.01	12	
13		0.02					T	0.04	0.03	0.15			0.11s	T	T										13	
14																									14	
15																									15	
16												0.06	T	0.09	0.06	0.08	0.04	T	0.01			T	T	0.03	0.05	16
17	0.04	0.03	T									0.01							0.01	T		T	T	0.01	0.01	17
18	T	0.01	T	T			T	T																	18	
19																						T	0.04	0.07	0.04	19
20	T																								20	
21																									21	
22										T															22	
23																									23	
24	T																								24	
25																									25	
26																									26	
27																									27	
28																									28	
29																									29	
30																									30	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)												
Ending Date Time (yyyy-mm-dd hh:mi)												

Hourly, daily, and monthly totals on the Daily Summary page and the Hourly Precipitation Table are shown as reported by the instrumentation at the site. However, NWS does not edit hourly values for its ASOS sites, but may edit the daily and monthly totals for selected sites which will be reflected on the Daily Summary page.

T = Trace
 \$ = Suspect
 * = Erroneous
 blank = No precipitation observed
 M = Missing